

Biological Shore Erosion Control General Permit

A General Permit is available for biological shore erosion control projects under NR 328, Wis. Adm. Code. Biological shore erosion control is exempt when located outside of an area of special natural resource (ASNARI). To qualify for this general permit for biological shore erosion control, your project must meet the following conditions and **can** be located in an ASNARI:

Biological shore erosion control structures, including but not limited to native vegetation, fiber rolls, fiber mats, live stakes, brush mattresses, branchbox breakwaters, temporary breakwaters, are eligible for an general permit if the project will meet the following conditions:

1. Any wave breaks or wave barriers shall be completely removed within 2 years of the installation date.
2. With this application, you must submit photographs showing the entire project site in relation to the navigable watercourse in pre-construction condition.
3. If wave barriers are used they shall be located within the 3-foot water depth contour or less, marked with reflectors, and may not create an obstruction to navigation.
4. Willow wattles, willow posts, brush mattresses, brush layering, fiber roll breakwaters, plant carpets, root wads, and other natural materials shall be installed by hand.
5. Vegetation shall be plant species which are native to the area of Wisconsin where the project is located.
6. Fiber rolls shall be secured using can and duckbill anchors or hardwood stakes. Spacing between the duckbill anchors shall be 6 feet or less. Spacing between the hardwood stakes shall be 4 feet or less.
7. The structure may be placed and maintained only by a riparian (or authorized agent or contractor).
8. The project shall not result in removal of greater than 20% of the aerial coverage of natural bank vegetation, emergent vegetation or floating vegetation, not including the area covered by the footprint of the riprap, or any access corridors necessary for the placement of the riprap.
9. Any grading, excavation and land disturbance shall be confined to the minimum area necessary for the construction and may not exceed 10,000 square feet.
10. Erosion control measures shall meet or exceed the standards in the most current version of the Wisconsin Construction Site Best Management Practices Handbook.
Note: Information on how to obtain this publication can be found by contacting the department or found on the department's website at www.dnr.wi.gov, under the "Runoff Management" program.
11. All equipment used for the project shall be designed and properly sized to minimize the amount of sediment that can escape into the water.
12. If the department determines that a proposal submitted under this section has the potential to impact an endangered or threatened species in accordance with s. 29.604, Stats., the application shall be deemed incomplete. The department may not consider the application complete or issue a general permit until the applicant submits information to demonstrate one of the following:
 - a. that the project either avoids impacts to the threatened or endangered species or
 - b. that the project has received an incidental take authorization under 29.602, Stats.
 - c. If the project is modified, the applicant must submit the revised plan before the application can consider the application complete or issue a general permit.
13. No waterward extension of the property is permitted other than what is reasonably necessary to conduct the project and protect the existing bank.
14. Dredging is not allowed for the placement or maintenance of any shore erosion control structure.

If your project will meet all the above requirements, follow the instructions on the following pages to submit a General Permit Application to the Department. We will respond within 30 days to notify you that your project is approved, or that additional information is required to complete your application. In some cases, you may be notified that your project requires an Individual Permit.

For more information about Waterway Permitting in Wisconsin, see our website at:

<http://www.dnr.state.wi.us/org/water/fhp/waterway/index.shtml>

Application Requirements

All applications for a General Permit require a completed General Permit Application form #3500-108, with additional sheets as necessary. Follow the instructions below to complete the application form.

Section I: Landowner Information

Provide the legal name of the person, firm, public organization or any other entity that owns the project site described in Section III of the application. The contact person should be the person completely familiar with the construction site activity and charged with compliance and oversight of the permit. The mailing address, phone number, and e-mail address if available, should be for the contact person.

Section II: Contractor Information

If known at the time of application, provide the legal name of the person, firm, or any other entity that will be the major contractor in charge of the proposed project at the site described in Section III of this application. The contact person should be the project site manager completely familiar with the activity and charged with implementation of the permit. The mailing address, phone number and e-mail address if available, should be for the contact person.

Section III: Site Information

Provide the site's official or legal name and complete address, including county, city, state and zip code. Provide the name of the waterway where the project is located. List the public lands survey location [quarter-quarter, quarter, section, township and range (to the nearest quarter section)] of the site. If the site is more than one quarter, enter the quarter that best describes the location of the site. The web site at the link below can help you with the public lands survey location: <http://maps.dnr.state.wi.us/imf/dnrimf.jsp?site=webview>. Use additional space if needed to describe the site location.

Section IV: Additional Information

Dates: Enter the project's anticipated start and end dates.

Photos: Enter the date of photographs included with the application. Attach or enclose clear photographs of the project site. Include at least one front view and one side view that each depict the area where construction work will occur from the waterway, and one view of the entire site from the waterway. Too much snow cover or vegetation may obscure important details, so be sure that your photographs show the site in its existing condition. NOTE: You will also be required to submit photographs after your project is completed.

Erosion Assessment: Submit a print-out of the results of the internet-based *Erosion Calculator* for your project site, and identify whether the site is low, moderate or high energy. If you do not have access to the internet, submit a copy of a lake map with depth contours for your lake, and show the location of your property, a line drawn from your property to the opposite shore along the longest unobstructed distance, and identify the water depth at five evenly-spaced locations along that line. If an Erosion Intensity worksheet is used to assess the erosion at your shoreline, submit the completed worksheet.

Section V: Location Sketch, Materials List and Project Plans

Refer to the sample diagram on page 4 for assistance

Location Sketch: Provide a sketch or map that identifies the project site referenced to the nearest town road or county/state highway. Be sure the map has enough detail so that we can easily find the site. Include your fire number if applicable.

Materials List: Provide a list indicating the size, type, and quantity of materials that you plan to use for the project. Explain what types of shore erosion control method you will use.

Project Plans: Provide scaled plans showing the top and cross-section views, on the blank plan sheet in the application and additional sheets of 8-½ x 11-inch or 11 x 17-inch paper as necessary. Also submit a narrative summary of all information. Include the following in your plans and narrative:

TOP VIEW:

- a. A depiction of the shoreline extending to your neighbor's property lines. Include the names of your two closest neighbors.
- b. The area where riprap will be placed and the total lineal feet. Include any identifying features of the property, such as trees and buildings.
- c. The north arrow and scale.

CROSS SECTION:

- a. The existing height and profile of the shoreline.
- b. The proposed height and slope of the shoreline and the thickness of the riprap layer showing how far the riprap extends beyond the existing shoreline.
- c. The normal water level.

ALL NECESSARY INFORMATION:

Submit all other information needed to show that the project will comply with the conditions identified on page 1 of these Instructions.

Section VII: Certification

State regulations require this form to be signed as follows:

1. For a corporation, by a responsible corporate officer including president, secretary, treasurer, vice president, manager, or a duly authorized representative having overall responsibility for the operation covered by this permit;
2. For a unit of government, by a ranking elected official, or other duly authorized representative;
3. For a partnership, by a general partner; and for a sole proprietorship, by the proprietor;
4. For a limited liability company, by a manager.

After signature, print the name of the individual signing the application and date of signature. If the form was prepared by a consultant or someone other than an employee of the property owner, please provide the name and address where this person may be contacted.

Submit your application

A \$50 fee is required for each Riprap General Permit. Remit a check or money order payable to the Wisconsin Department of Natural Resources (do not send cash). An application submitted without the required application fee will be considered incomplete.

Submit three (3) copies of the completed application, narrative and plans. Send the complete application and fee to the DNR office listed below:

NORTHERN REGION COUNTIES

Ashland	Lincoln	Aquatic Habitat Coordinator
Barron	Oneida	DNR Service Center
Bayfield	Polk	107 Sutliff Avenue
Burnett	Price	Rhineland, WI 54501
Douglas	Rusk	phone (715) 365-8926
Florence	Sawyer	
Forest	Taylor	
Iron	Vilas	
Langlade	Washburn	

NORTHEAST REGION COUNTIES

Brown	Marquette	Aquatic Habitat Coordinator
Calumet	Menominee	DNR Service Center
Door	Oconto	1125 N. Military, Box 10448
Fond du Lac	Outagamie	Green Bay, WI 54307-0448
Green Lake	Shawano	phone (920) 492-5817
Kewaunee	Waupaca	
Manitowoc	Waushara	
Marinette	Winnebago	

WEST CENTRAL REGION COUNTIES

Adams	Marathon	Aquatic Habitat Coordinator
Buffalo	Monroe	DNR Service Center
Chippewa	Pepin	1300 W. Clairemont, Box 4001
Clark	Pierce	Eau Claire, WI 54702-4001
Crawford	Portage	phone (715) 839-1600
Dunn	St Croix	
Eau Claire	Trempealeau	
Jackson	Vernon	
Juneau	Wood	
LaCrosse		

SOUTH CENTRAL REGION COUNTIES

Columbia	Iowa	Aquatic Habitat Coordinator
Crawford	Jefferson	DNR Service Center
Dane	Lafayette	3911 Fish Hatchery Road
Dodge	Richland	Fitchburg, WI 53711
Grant	Rock	phone (608) 275-3282
Green	Sauk	

SOUTHEAST REGION COUNTIES

Kenosha	Sheboygan	Aquatic Habitat Coordinator
Milwaukee	Walworth	DNR Service Center
Ozaukee	Washington	141 NW Barstow, Room 180
Racine	Waukesha	Waukesha, WI 53188
		phone (262) 574-2149

DRAWINGS OF PROPOSED
ACTIVITY SHOULD BE
PREPARED IN ACCORDANCE
WITH SAMPLE DRAWING

Proposed Materials

Location Sketch (Indicate scale.) Show route
to project site: include nearest main road and crossroad.



1" = _____ ft.

Fire Number _____

Project Plans. (Include top view and typical cross sections. Clearly identify features and dimensions or indicate scale.)
Use additional sheets if necessary.



1" = _____ ft.

Top View

Cross Section